

A

```
1  cccgccttcc tagctgtccc agtggagaag gaacaagcgc ctcactgcat ctgtgcaaac
61  gggcggaaca ctgtgtcctg ggcagtaacc ccaaagtcac taggaaatgt gaatttcact
121 gtgagcgagc aggcactaga gtctcaagag ctgtgtggga ctgaggtgcc ttcagttcct
181 gaacacggaa ggaaagacac agtcatcaag cctctgttgg ttgaacctga aggactagag
241 aaggaaacaa cattcaactc cctactttgt ccatcagggtg gtgaggtttc tgaagaatta
301 tccctgaaac tgccaccaa tgtggtagaa gaatctgccc gagcttctgt ctcagttttg
361 ggagacatat taggctctgc catgcaaaac acacaaaatc ttctccagat gccctatggc
421 tgtggagagc agaatatggt cctctttgct cctaacatct atgtactgga ttatctaaat
481 gaaacacagc agcttactcc agagatcaag tccaaggcca ttggctatct caacactggt
541 taccagagac agttgaacta caaacactat gatggctcct acagcacctt tggggagcga
601 tatggcagga accagggcaa cacctggctc acagcctttg ttctgaagac ttttgcccaa
661 gctcgagcct acatcttcat cgatgaagca cacattaccc aagccctcat atggctctcc
721 cagaggcaga aggacaatgg ctgtttcagg agctctgggt cactgctcaa caatgccata
781 aaggaggagg tagaagatga agtgaccctc tccgcctata tcaccatcgc ccttctggag
841 attcctctca cagtcactca ccctgttgct cgcaatgccc tgttttgctt ggagtcagcc
901 tggaagacag cacaagaagg ggaccatggc agccatgtat ataccaaaga cctgctggcc
961 tatgcttttg ccctggcagg taaccaggac aagaggaagg aagtactcaa gtcacttaat
1021 gaggaagctg tgaagaaaga caactctgtc cattgggagc gccctcagaa acccaaggca
1081 ccagtggggg atttttacga accccaggct ccctctgctg aggtggagat gacatcctat
1141 gtgctcctcg cttatctcac ggcccagcca gcccacact cggaggacct gacctctgca
1201 accaaccatcg tgaagtggat cacgaagcag cagaatgccc agggcggttt ctctccacc
1261 caggacacag tggtaggctc ccatgctctg tccaaatatg gagcagccac atttaccagg
1321 actgggaagg ctgcacaggt gactatccag tcttcaggga cattttccag caaattccaa
1381 gtggacaaca acaaccgcct gttactgcag caggtctcat tgccagagct gcctggggaa
1441 tacagcatga aagtgcagag agaaggatgt gtctacctcc agacatcctt gaaatacaat
1501 attctccagc aaaaggaaga gttccctttt gctttaggag tgcagactct gcctcaaact
1561 tgtgatgaac ccaaagccca caccagcttc caaatctccc taagtgtcag ttacacaggg
1621 agccgctctg cctccaacat ggcgatcggt gatgtgaaga tggctctctg cttcattccc
1681 ctgaagccaa cagtgaaaat gcttgaaaga tctaaccatg tgagccggac agaagtcagc
1741 agcaaccatg tcttgattta ccttgataag gtgtcaaatc agacactgag cttgttcttc
1801 acggttctgc aagatgtccc agtaagagat ctgaaaccag ccatagtgaag agtctatgat
1861 tactacgaga cggatgagtt tgcaattgct gagtacaatg ctcttgcag caaagatctt
1921 ggaaatgctt gaagaccaca aggctgaaaa gtgctttgct ggagtcctgt tctcagagct
1981 ccacagaaga cacgtgtttt tgtatcttta aagacttgat gaataaacac tttttctggt
2041 c
```

B PAFLAVPVEKEQAPHCI CANGRQTVSWAVTPKSLGNVNFTVSAEALLESQELCGTEVPSVPEHGRKDTVIKPL
LVEPEGLEKETTFNSLLCPSGGEVSEELSLKLPPNVVEESARASVSVLGDILGSAMQNTQNLLQMPYGCGEQ
NMVLFAPNIYVLDYLNQQLTPEIKSKAIGYLNTRYQRQLNYKHYDGSYSTFGERYGRNQGNWLTAFVLK
TFAQARAYIFIDEAHITQALIWLSQRQKDNGCFRSSGSLNNAIKGGVEDEVTL SAYITIALLEIPLTVTHP
VVRNALFCLES AWKTAQEGDHGSHVYTKDLLAYAFALAGNQDKRKEVLKSLNEEAVKKDNSVHWERPQKPKA
PVGDFYEPQAPSAEEMTSYVLLAYLTAQPAPTSEDLT SATNIVKWITKQNAQGGFSSTQD TVVALHALSK
YGAATFTRTGKAAQVTIQSSGTFSSKFQVDNNRLLQLQVSLPELPGEYS MKVTGEGCVYLQTS LKYNILPE
KEEFPFALGVQTLPTCDEPKAHTSFQISLSVSYTGSRSASNMAIVDKMVSGFIPLKPTVKMLERSNHVSR
TEVSSNHVLIYLDKVSNTLSLFFTVLQDVPVRDLKPAIVKVYDYYETDEFAIAEYNAPCSKDLGNA

FIGURE 1

A

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1 aggggcctta gcgtgccgca tcgccgagat ccagcgccca gagagacacc agagaaccca
61 ccatggcccc ctttgagccc ctggcttctg gcacccctgtt gttgctgtgg ctgatagccc
121 ccagcagggc ctgcacctgt gtccccacccc acccacagac ggccttctgc aattccgacc
181 tcgtcatcag ggccaagtgc gtggggacac cagaagtcaa ccagaccacc ttataaccagc
241 gttatgagat caagatgacc aagatgtata aagggttcca agccttaggg gatgccgctg
301 acatccggtt cgtctacacc cccgccatgg agagtgtctg cggatacttc cacagggtccc
361 acaaccgcag cgaggagtgt ctcattgctg gaaaactgca ggatggactc ttgcacatca
421 ctacctgcag tttcgtggct ccctggaaca gcctgagctt agctcagcgc cggggcttca
481 ccaagaccta cactgttggc tgtgaggaat gcacagtgtt tccctgttta tccatcccct
541 gcaaactgca gagtggcact cattgcttgt ggacggacca gctcctccaa ggctctgaaa
601 agggcttcca gtcccgtcac cttgcctgcc tgcctcggga gccagggctg tgcacctggc
661 agtccctgcg gtcccagata gcctgaatcc tgcccggagt ggaactgaag cctgcacagt
721 gtccacctg ttcccactcc catctttctt ccggacaatg aaataaagag ttaccaccca
781 gc
```

B

```
MAPFEPLASGILLLLWLIAPSRACCTVPPHPQTAFCSNDLVIRAKFVGTPEVNQTTLYQRYEIKMTKMYKG
FQALGDAADIRFVYTPAMESVCGYFHRSHNRSEEFLLIAGKLQDGLLHITTCSEFVAPWNSLSLAQRRGFTKT
YTVGCEEECTVFPCLSI PCKLQSGTHCLWTDQLLQSEKGFQSRHLACLPREPGLCTWQSLRSQIA
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FIGURE 2